ELSEVIER

Journal of Magnetism and Magnetic Materials 145 (1995) 401–404

journal of magnetism and magnetic materials

Author index to volume 145

Acquarone, M., F. Licci, E. Campari, M. D'Astuto, M. Marangolo, Effect of Zn substitution on the Néel temperature of $Nd_2Cu_{1-x}Zn_xO_4$ 189
Ahmad, I., M.A. Al-Khafaji, H.A. Davies, W.M. Rainforth, R.A. Buckley, Microstructure study of high coercivity Ga containing Nd–Fe–B permanent magnets (*Letter to the Editor*) L19
Ainane, A., A. El-Atri, M. Saber, The amorphous transverse spin $\frac{1}{2}$ Ising model 139
Al-Khafaji, M.A., see I. Ahmad L19
Al-Najjar, M., see J.C. Woolley 23
Alberts, H.L. and P. Smit, High pressure ultrasonic study of the Néel transition in a Cr + 3.0 at% Al alloy single crystal 152
Allenspach, P., see V.B. Barbeta 391
Alves, K.M.B., see C. Larica 306
Antic, B., M. Mitric, D. Rodic, Structure properties and magnetic susceptibility of diluted magnetic semiconductor $Y_{2-x}Ho_xO_3$ 349

Baggio-Saitovitch, E., see C. Larica 306
Barbara, B., see W. Wernsdorfer 33
Barbara, B., see J.P. Perez 74
Barbeta, V.B., P. Allenspach, M.B. Maple, R.F. Jardim, Specific heat measurements on $(Nd_{1-x}Sm_x)_2CuO_4$ in applied magnetic fields 391
Benoit, A., see W. Wernsdorfer 33
Berkowitz, A.E., see D. Lin 343
Bisaro, R., see O. Durand 111
Bland, J.A.C., see R.J. Hicken 278
Boardman, A.D., S.A. Nikitov, K. Xie, H. Mehta, Bright magnetostatic spin-wave envelope solitons in ferromagnetic films 357
Bonnet, M., see A. Zheludev 293
Booth, N.A., see A. Stephenson 81
Bouchet-Fabre, B., see J.P. Perez 74
Brun del Re, R., see J.C. Woolley 23
Buckley, R.A., see I. Ahmad L19
Budnick, J.I., see Y.D. Zhang L11

Campari, E., see M. Acquarone 189
Carcia, P.F., Z.G. Li, H.W. van Kesteren, M.T. Johnson, Heteroepitaxial growth of Pt/Co multilayers on single crystal ZnO 231
Celinski, Z., B. Heinrich, J.F. Cochran, The temperature dependence of the bilinear and biquadratic exchange coupling in Fe/Cu, Ag/Fe(001) structures (*Letter to the Editor*) L1
Chang, I.J., see H.M. Duh 337
Chen, H.-y., see Q.-h. Fan 398
Chen, X.-h., see Q.-h. Fan 398
Childress, J.R., see O. Durand 111
Cochran, J.F., see Z. Celinski L1
Coffey, W.T., D.S.F. Crothers, J.L. Dormann, L.J. Geoghegan, Yu.P. Kalmykov, J.T. Waldron, A.W. Wickstead, The effect of an oblique magnetic field on the superparamagnetic relaxation time (*Letter to the Editor*) L263
Crothers, D.S.F., see W.T. Coffey L263

D'Astuto, M., see M. Acquarone 189
Daboo, C., see R.J. Hicken 278
Davies, H.A., see I. Ahmad L19
De Gasperis, P., see S.A. Nikitov L6
Delley, B., see A. Zheludev 293
Dormann, J.L., see W.T. Coffey L263
Dötsch, H., see M.P. Kostylev 93
Dubovik, V., M. Martsenuyk, N. Martsenuyk, Reversal of magnetization of aggregates of magnetic particles by a vorticity field and use of toroidness for recording information 211
Duh, H.M., I.S. Lyubutin, C.S. Wur, K.J. Lin, J.S. Hwang, C. Tien, I.J. Chang, Magnetic phase transitions in UPd_2Ge_2 337
Dupuis, V., see J.P. Perez 74
Durand, O., J.R. Childress, P. Galtier, R. Bisaro, A. Schuhl, Origin of the uniaxial magnetic anisotropy in Fe films grown by molecular beam epitaxy 111

El-Atri, A., see A. Ainane 139
Eley, D.E.P., see R.J. Hicken 278

Fan, Q.-h., X.-h. Chen, H.-y. Chen, Y. Zhang, Theoretic analysis of analog division method for Kerr loop measurement 398
Faunce, C.A., see S.F.H. Parker 51
Fjellvåg, H., W.A. Grosshans, W. Hönle, A. Kjekshus, Pressure induced phase transition in $MnTe_2$ studied by synchrotron radiation – comparison with $RuTe_2$ 118

0304-8853/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved

Florescu, V., see A. Stephenson 81
França, F., see C. Paduani 147
Fritzsche, H., see J. Zukrowski 57
Fujii, T., see K. Fukumura 175
Fukumura, K., A. Nakanishi, T. Fujii, T. Kobayashi, Magnetic properties of iron-oxide small particles prepared on aluminum and MgO(100) 175
Funahashi, S., see N. Uchida L16

Galtier, P., see O. Durand 111
Garnier, A., D. Gignoux, D. Schmitt, Magnetic properties of tetragonal $DyNi_2Si_2$ 67
Gasnikova, G.P., see A.Z. Menshikov 186
Genkin, G.M. and G.A. Vugalter, Electron exchange energy in superthin metallic films 47
Geoghegan, L.J., see W.T. Coffey L263
Gester, M., see R.J. Hicken 278
Gignoux, D., see A. Garnier 67
Gómez-Polo, C., see H. Theuss 165
Gradmann, U., see J. Zukrowski 57
Grand, A., see A. Zheludev 293
Gray, S.J., see R.J. Hicken 278
Grosshans, W.A., see H. Fjellvåg 118
Grundy, P.J., see S.F.H. Parker 51
Guimarães, A.P., see C. Larica 306

Halilov, S., see E. Kulatov 395
Han, D.H., J.P. Wang, H.L. Luo, The induced effective uniaxial anisotropy of Mn and Co volume-doped acicular γ-Fe_2O_3 particles 199
Hara, Y., H. Negishi, M. Sasaki, M. Inoue, V.A. Kulbachinskii, Time decay of thermoremanent magnetization in cluster-glass phase of intercalation compound Fe_xTiS_2 studied by use of anomalous Hall effect 157
Hasselbach, K., see W. Wernsdorfer 33
Hayashi, N., see Y. Uesaka 205
Heinrich, B., see Z. Celinski L1
Hernando, A., see I. Navarro 313
Hicken, R.J., D.E.P. Eley, M. Gester, S.J. Gray, C. Daboo, A.J.R. Ives, J.A.C. Bland, Brillouin light scattering studies of magnetic anisotropy in epitaxial Fe/GaAs films 278
Hines, W.A., see Y.D. Zhang L11
Hofmann, B., see H. Theuss 165
Hönle, W., see H. Fjellvåg 118
Hsu, L.-S., On the magnetic susceptibility and superconductivity of $PtGa_2$ 388
Hu, B.Y., see X.Q. Li 125
Huang, H.L., see C.T. Teh 382
Hwang, J.S., see H.M. Duh 337

Inoue, M., see Y. Hara 157
Ives, A.J.R., see R.J. Hicken 278

Jardim, R.F., see V.B. Barbeta 391
Jin, H.J., see X.Q. Li 125
Johnson, M.T., see P.F. Carcia 231
Jun, S., see S.A. Nikitov L6

Kalinikos, B.A., see M.P. Kostylev 93
Kalmykov, Yu.P., see W.T. Coffey L263
Kazantsev, V.A., see A.Z. Menshikov 186
Kjekshus, A., see H. Fjellvåg 118
Kobayashi, T., see K. Fukumura 175
Köhler, B.U., see Th. Orth 243
Kolenda, M., J. Leciejewicz, N. Stuesser, A. Szytuła, A. Zygmunt, Incommensurate magnetic ordering in CePtSn and TbPtSn 85
Konč, M., see J. Ziman 129
Kostylev, M.P., B.A. Kalinikos, H. Dötsch, Parallel pump spin wave instability threshold in thin ferromagnetic films 93
Kronmüller, H., see H. Theuss 165
Kulatov, E., Yu. Uspenskii, S. Halilov, Ab initio calculated magneto-optical spectra of half-metallic ferromagnets 395
Kulbachinskii, V.A., see Y. Hara 157
Kuz'menko, V.V., see V.V. Rossikhin 192

Lai, W., see C. Yu 239
Lamarche, G., see J.C. Woolley 23
Lamonova, K.V., see V.A. Zablotskii 195
Lane, R., see S.F.H. Parker 51
Larica, C., K.M.B. Alves, E. Baggio-Saitovitch, A.P. Guimarães, The effects of high-energy milling on the structural and hyperfine properties of YFe_2 306
Leciejewicz, J., see M. Kolenda 85
Lévy, J.-C.S., see D. Mercier 133
Li, X.Q., X.L. Yang, B.Y. Hu, Z. Wu, Y.Z. Zhang, H.J. Jin, G.Q. Xu, High temperature magnetic studies of nanocrystalline $Fe_{69.5}(CuCrV)_{9.5}Si_{13}B_8$ 125
Li, Z.G., see P.F. Carcia 231
Licci, F., see M. Acquarone 189
Lin, D., A.C. Nunes, C.F. Majkrzak, A.E. Berkowitz, Polarized neutron study of the magnetization density distribution within a $CoFe_2O_4$ colloidal particle II 343
Lin, K.J., see H.M. Duh 337
Liu, G., see J. Zukrowski 57
Ludlow, J.L.C., see S.F.H. Parker 51
Luneau, D., see A. Zheludev 293
Luo, H.L., see D.H. Han 199
Lyubutin, I.S., see H.M. Duh 337

Mailly, D., see W. Wernsdorfer 33
Majkrzak, C.F., see D. Lin 343
Mamalui, Yu.A., see V.A. Zablotskii 195
Manzur, T., see Y.D. Zhang L11
Maple, M.B., see V.B. Barbeta 391
Marangolo, M., see M. Acquarone 189
Marcelli, R., see S.A. Nikitov L6
Martsenuyk, M., see V. Dubovik 211
Martsenuyk, N., see V. Dubovik 211

Maylin, M.G., see S.F.H. Parker 51
Mehta, H., see A.D. Boardman 357
Melinon, P., see J.P. Perez 74
Menshikov, A.Z., S.M. Podgornykh, V.A. Kazantsev, G.P. Gasnikova, Spontaneous and forced magnetostriction of $Co_{1-x}Mn_x$ and $Co_{1-x}(FeMn)_x$ alloys 186
Mercier, D. and J.-C.S. Lévy, Spin waves in multilayers: effects of complex coupling 133
Mitric, M., see B. Antic 349
Möller, M., see Th. Orth 243

Nakanishi, A., see K. Fukumura 175
Nakatani, Y., see Y. Uesaka 205
Nashima, O., H. Onodera, Y. Yamaguchi, Origin of anomalous increase of hyperfine field in $Dy(Ni_xCu_{1-x})_2Si_2$ 40
Navarro, I., A. Hernando, M. Vazquez, S.-C. Yu, Mössbauer spectroscopy in nanocrystalline $Fe_{88}Zr_7B_4Cu_1$ 313
Negishi, H., see Y. Hara 157
Nikitov, S.A., S. Jun, R. Marcelli, P. De Gasperis, Modulational instability of surface magnetostatic waves in ferromagnetic films (*Letter to the Editor*) L6
Nikitov, S.A., see A.D. Boardman 357
Nunes, A.C., see D. Lin 343

Ogawa, Y., see K. Yamanaka 255
Ohashi, M., see N. Uchida L16
Okuwaki, T., see K. Yamanaka 255
Onaka, K., see H. Sakakima L268
Onodera, H., see N. Uchida L16
Onodera, H., see O. Nashima 40
Örström, L., see A. Zheludev 293
Orth, Th., M. Möller, J. Pelzl, W. Schmitt, B.U. Köhler, Characterisation of the anisotropy behaviour of different cobalt modified γ-Fe_2O_3 tapes 243
Ovchinnikov, S.G., Néel temperature and electronic structure of $Nd_{2-x}Ce_xCuO_4$ 379

Paduani, C. and F. França, Electronic structure of hcp iron 147
Paillard, V., see J.P. Perez 74
Păpuşoi, C., see Al. Stancu 385
Parker, S.F.H., C.A. Faunce, P.J. Grundy, M.G. Maylin, J.L.C. Ludlow, R. Lane, Preisach modelling of magnetisation changes in steel 51
Pelzl, J., see Th. Orth 243
Perez, A., see J.P. Perez 74
Perez, J.P., V. Dupuis, J. Tuaillon, A. Perez, V. Paillard, P. Melinon, M. Treilleux, L. Thomas, B. Barbara, B. Bouchet-Fabre, Magnetic properties of nanostructured iron films obtained by low energy neutral cluster beam deposition 74
Podgornykh, S.M., see A.Z. Menshikov 186
Pshenichnikov, A.F., Equilibrium magnetization of concentrated ferrocolloids 319

Rainforth, W.M., see I. Ahmad L19
Ressouche, E., see A. Zheludev 293
Rey, P., see A. Zheludev 293
Rodic, D., see B. Antic 349
Rossikhin, V.V., E.O. Voronkov, V.V. Kuz'menko, Method of basis set construction in ab initio calculations of molecular magnetic properties 192

Saber, M., see A. Ainane 139
Sakakima, H., M. Satomi, K. Onaka, S. Yamamoto, Anisotropic low-field giant magnetoresistance in [Ni–Fe–Co/Cu] multilayers (*Letter to the Editor*) L268
Sasaki, M., see Y. Hara 157
Sato, N., see N. Uchida L16
Satomi, M., see H. Sakakima L268
Schmidt, W., Interlayer coupling of magnetic multilayers across noble spacers in jellium model 181
Schmitt, D., see A. Garnier 67
Schmitt, W., see Th. Orth 243
Schuhl, A., see O. Durand 111
Schweizer, J., see A. Zheludev 293
Shen, N.X., see Y.D. Zhang L11
Smit, P., see H.L. Alberts 152
Sobolev, V.L., see C.T. Teh 382
Stancu, Al. and C. Păpuşoi, Relaxation phenomena in a system of interacting Stoner–Wohlfarth particles 385
Stephenson, A., V. Florescu, N.A. Booth, Field-impressed anisotropy of susceptibility in iron–terbium thin films 81
Stuesser, N., see M. Kolenda 85
Suran, G., see W. Wernsdorfer 33
Szytuła, A., see M. Kolenda 85

Takayama, T., see K. Yamanaka 255
Tamura, I., Mössbauer effect in oxidized iron fine particles and explanation of the spectra by magnetic fluctuation 327
Teh, C.T., V.L. Sobolev, H.L. Huang, Domain wall structure dependence on the arbitrarily oriented external field 382
Theuss, H., B. Hofmann, C. Gómez-Polo, M. Vázquez, H. Kronmüller, Temperature dependence of the magnetization process of nearly non-magnetostrictive Co-rich amorphous wires 165
Thomas, L., see W. Wernsdorfer 33
Thomas, L., see J.P. Perez 74
Tien, C., see H.M. Duh 337
Treilleux, M., see J.P. Perez 74
Tuaillon, J., see J.P. Perez 74

Uchida, N., H. Onodera, M. Ohashi, Y. Yamaguchi, N. Sato, S. Funahashi, Moment direction of noncollinear antiferromagnetic $TbNiC_2$ (*Letter to the Editor*) L16
Uesaka, Y., Y. Nakatani, N. Hayashi, Computer simulation of magnetization reversal of cubic, thin and elongated particles; effect of method of calculating demagnetizing field 205
Uspenskii, Yu., see E. Kulatov 395

Van Kesteren, H.W., see P.F. Carcia 231
Vázquez, M., see H. Theuss 165
Vazquez, M., see I. Navarro 313
Voronkov, E.O., see V.V. Rossikhin 192
Vugalter, G.A., see G.M. Genkin 47

Waldron, J.T., see W.T. Coffey L263
Wang, D.-s., see Y.-m. Zhou L273
Wang, J.P., see D.H. Han 199
Wang, Y., see C. Yu 239
Wang, Z., see C. Yu 239
Wernsdorfer, W., K. Hasselbach, D. Mailly, B. Barbara, A. Benoit, L. Thomas, G. Suran, DC-SQUID magnetization measurements of single magnetic particles 33
Wickstead, A.W., see W.T. Coffey L263
Woolley, J.C., R. Brun del Re, M. Al-Najjar, G. Lamarche, Magnetic behaviour of various phases in the $(AgGa)_{1-z}Mn_{2z}Te_2$ and associated alloy systems 23
Wu, Z., see X.Q. Li 125
Wur, C.S., see H.M. Duh 337

Xiao, T.D., see Y.D. Zhang L11
Xie, K., see A.D. Boardman 357
Xu, G.Q., see X.Q. Li 125

Yamaguchi, Y., see N. Uchida L16
Yamaguchi, Y., see O. Nashima 40
Yamamoto, S., see H. Sakakima L268
Yamanaka, K., T. Takayama, Y. Ogawa, A. Yano, T. Okuwaki, Time dependence of remanence coercivity and medium noise in obliquely evaporated Co films 255
Yang, X.L., see X.Q. Li 125
Yano, A., see K. Yamanaka 255
Yu, C., Y. Wang, W. Lai, Z. Wang, The influence of film thickness on magnetoresistance and magnetic properties of FeAg granular films 239
Yu, S.-C., see I. Navarro 313

Zablotskii, V.A., K.V. Lamonova, Yu.A. Mamalui, Nucleation mechanism of new domain phase at the transition between stripe and undulation domains 195
Zagyi, B., see J. Ziman 129
Zhang, W.-q., see Y.-m. Zhou L273
Zhang, Y., see Q.-h. Fan 398
Zhang, Y.D., J.I. Budnick, W.A. Hines, N.X. Shen, T.D. Xiao, T. Manzur, Nitrogen location in R_2Fe_{17} compounds: an NMR study (*Letter to the Editor*) L11
Zhang, Y.Z., see X.Q. Li 125
Zheludev, A., M. Bonnet, B. Delley, A. Grand, D. Luneau, L. Örström, E. Ressouche, P. Rey, J. Schweizer, An imino nitroxide free radical: experimental and theoretical spin density and electronic structure 293
Zhong, L.-p., see Y.-m. Zhou L273
Zhou, Y.-m., W.-q. Zhang, L.-p. Zhong, D.-s. Wang, Theoretical prediction of ferrimagnetism in face-centered cubic iron (*Letter to the Editor*) L273
Ziman, J., B. Zagyi, M. Konč, AC magnetoresistance and circular magnetization in low-magnetostrictive Co–Fe–Si–B amorphous alloys 129
Zukrowski, J., G. Liu, H. Fritzsche, U. Gradmann, Mössbauer spectroscopy of Cr(110)/Fe(110)/Cr(110) sandwiches 57
Zygmunt, A., see M. Kolenda 85

ELSEVIER

Journal of Magnetism and Magnetic Materials 145 (1995) 405–406

journal of magnetism and magnetic materials

Subject index to volume 145

Actinides 337
Amorphization 139
Amorphous systems 125, 129, 139, 165, 313
Anisotropy 74, 205, 243
– in thin films 81, 111, 231, L268, 278
– induced 93, 199
– magnetocrystalline 40, 93, L263
– magnetoelastic 165
– surface 175
Antiferromagnetism 57, 67, 189
Augmented-plane-wave method L273

Barkhausen jump 165
Brillouin light scattering 278

Chemical potential 181
Coercivity L19, 199, 211, 231, 239, 243, 255
Coordination number 139
Crystal structure L11
Crystallization 313
Curie–Weiss law 349

Density of states 147
Diamagnetism 192
Disordered spin systems 157
Domain
– structure 51, 81, 165, 195, L263, 319
– walls 195
Domain wall
– pinning 382
– structure 382
Doping effects 379

Electronic structure 147, 293, 379, 395
Exchange 23, 74, 125, 139
– in thin films 47
– interlayer L1, 93, 133, L268
– multilayer 181
– RKKY 133

Ferrimagnetism L273
Ferrites 199
Ferromagnetic resonance 74, 243
Ferromagnets L6, 51, 93, L263, 357
Fine particles 33, 175, 199, 205, 211, 239, 243, 319, 327, 343

Garnets L6
– thin films 195
Giant magnetoresistance L268
Green's function 192
Ground state
– properties 192

Hall effect 157
Hybridization 93
Hyperfine fields 40, 57, 306
Hysteresis loops L19, 51, 125, 211, 239, 337

Interface roughness L1, 57
Intermetallic compounds 118
Ising model 139

Kerr effect 278
Kerr loop 398
Kerr rotation 398

Low-dimensional systems 47

Macroscopic quantum tunneling 33
Magnetic fluids 319
Magnetic hysteresis 51
Magnetic molecular materials 293
Magnetic moment L1, L16, 40, 255, 349
– calculated 147, L273
Magnetic ordering 57, 85, 391
Magnetic phase diagrams 67, L268
Magnetic recording media 199, 211, 243, 255
Magnetic semiconductor 349
Magnetic structure L16, L273
Magnetization 278, 319, 327, 343
– circular 129
– processes 33, 51, 67, 165
– reversal 205, 211
– saturation 40, 51, 255
– temperature dependent 125, 139, 157, 337
Magneto-optic recording media 231, 398
Magneto-optical properties 395
Magnetoelastics 111
Magnetoresistance 129, 239
Magnetostriction 165
– forced volume 186
Magnetovolume effect 186
Magnons L6
Matteucci effect 129
Micromagnetism 211
Microstructure L19
Mössbauer spectroscopy 40, 57, 74, 175, 306, 313, 327

Nanometric crystals 74, 125, 313
Néel temperature 379
Neutron diffraction L16, 67, 85, 293, 343
Neutron scattering 189
NMR L11, 306

Oscillatory exchange coupling 181
Oxidation 327

Paramagnetism 152, 192
Permanent magnets L11, L19
Phase transitions 118, 152, 382
– magnetic 337
Preisach model 385
Pressure effect 118, 152

Rare earth–transition metal compounds L19, 306
– interstitial nitrides L11
Rare earths 391
– alloys 81
– compounds L16, 40, 67, 85

0304-8853/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved

Relaxation L263
– magnetic 157

Semimagnetic semiconductors 23
Specific heat 67, 388, 391
Spin density 181, L273, 293
Spin density wave 152
Spin glass 23
Spin polarization 147, 293
Spin wave resonance 133
Spin-wave soliton 357
Spin waves 133
Spin–orbit interaction 395
SQUID 33, 74
Stoner–Wohlfarth model 385
Substitution efffects 189
Superconductivity 388
Superconductors 391
– high-T_c 189
Superlattices 47, 111
Superparamagnetism 175, 239, L263, 343
Surface magnetostatic waves L6
Susceptibility 23, 81, 85, 157, 165, 319, 337, 349
– magnetic 192, 388
– transverse 243
Switching fields 205
Synchrotron radiation 118

Thermal expansion 186
Thermodynamics 195
Thin films L6, 47, 74, 81, 239, 255, 357
– bilayer L1, 278
– multilayer 93, 111, 133, 181, 231, L268
– sandwiches 57
– trilayer L1
Transition metal
– compounds 395

Viscosity 255